

0580

Page 1

0089

#2

OIPE

## RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

1 <110> APPLICANT: Deng, Molian ,  
2 Staub, Robin L.  
4 <120> TITLE OF INVENTION: Nucleic Acid Sequences From Chlorella sarokiniana And Uses  
5 Thereof  
7 <130> FILE REFERENCE: 38-21(52114)B  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/920,953  
C--> 9 <141> CURRENT FILING DATE: 2001-08-02  
9 <160> NUMBER OF SEQ ID NOS: 9395  
11 <210> SEQ ID NO: 1  
12 <211> LENGTH: 670  
13 <212> TYPE: DNA  
14 <213> ORGANISM: Chlorella sorokiniana  
16 <220> FEATURE:  
17 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A1  
19 <400> SEQUENCE: 1  
21 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataaaa 60  
23 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120  
25 aaaaaaaaaa aaaaaagaaa aaaaaaaaaa gggggggcat ttttaggggt tttttttttt 180  
27 cccgggtttt ttgcaaat tttttttttt ttaaggac cccaaattaa atttttggg 240  
29 gcgggtttta aaactcatg aaggggaaaa accttgtgtt tacaaaattt attactttgg 300  
31 aaaaaattcc ttttttccca ttttgggttt ttaggaaaag ggccccaccg tttggctttt 360  
33 taaaaagtgt ggtaacctta ttgcgcaatg gggccccctt tttatggggg attttaaggg 420  
35 ggggggtttg ttggtttcct ggaagggggc cctttaattt tgagagtgtt atatacgggg 480  
37 ttttttagtt ttttttcttt tttttttggg cacattttgg cggtttttcc ctttaaagtt 540  
39 ttaaaatggg ggtttttttt gggtttctta tttatgtgtt tttgggcctc tttgcctaaa 600  
41 aaattttttt ggggggttgg gtttaacttt tggatacttt cttttattaa aatttttgtc 660  
43 tttttttttt 670  
46 <210> SEQ ID NO: 2  
47 <211> LENGTH: 598  
48 <212> TYPE: DNA  
49 <213> ORGANISM: Chlorella sorokiniana  
51 <220> FEATURE:  
52 <221> NAME/KEY: unsure  
53 <222> LOCATION: (1)..(598) *OV*  
54 <223> OTHER INFORMATION: unsure at all n locations  
55 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A10  
57 <400> SEQUENCE: 2  
59 gcgctgcctg cagacgcggc caccagcacc acagagacgg cggaagcggg atgcgggcgc 60  
61 aagaagctgt ttgatgacct gggcggcgca gaaggcatga agctggcggt tgacaccttc 120  
63 tacgataagg tgctggctga cccggagctg ctgcccttct tcgagtcctt ggacatgcaa 180  
65 gagcagaaga tgaagcaggt caagttcatg agcttcgtgt ttggcggagc agaccaatac 240  
67 aaggggccgaa gcatgtacga cgcacacgcc catctgggtca agggccacgg cctggaccac 300  
69 cgccactttg acaagatcaa gcagtacctt ggagagacgc tgcaagagat gggcgctcaag 360  
W--> 71 caggatgtga tccagcacgc cgccggagtg gtggagtcca cccgcgacga atttgacttn 420  
73 cccaacaact ggcaccccaa ctgattttca ttaacccaac cccagcctga gcgctcatte 480  
75 catcgatttt gagcggggag cgccagttgc cgagcgcgcc cagggggccc aggagcctgc 540  
77 aaatcgtttg ccagcccttg ctgcattgaa gagccatcag ccattttcgc accaagcc 598

ENTERED

## RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

```

80 <210> SEQ ID NO: 3
81 <211> LENGTH: 548
82 <212> TYPE: DNA
83 <213> ORGANISM: Chlorella sorokiniana
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A11
88 <400> SEQUENCE: 3
90 cccgactcgg tcatcgcggg catgcccgtg atcgagggtg ggcggagcaa gcaggtcatt   60
92 gtgatgaagc ggactatggc ggcgggggtat gcaggagccg acaaccccat cttctatcgc  120
94 gacaacacgg ccatgctgct gggggatgcc aaggacatgt gcgagaagct ccgggcccgc  180
96 gtgtacgagc agtttggcat tgtttgagcg gccaatgctt ccaagccgca tgtcgagctc  240
98 caccacgccc cagccggcag ccccttcac gtgaacgaac gagcgaacat gcatgcgcct  300
100 gtgcccacat gaccacctgc ggtgtgggga gtgccggcag tccaaacaac ccaactccctt  360
102 tccaaacaat cgaacgcatt tgaatgagca ggtagcgta gcggatgaga ctgtcaatgc  420
104 aacactgtgc cccacccccg ttttcttttc ttttgcgtg gcaatgccat atgcctccgt  480
106 catccccgcg ctgcacagcc gcaacacata ccccgcgctg ttttcatacc ctcgttcttg  540
108 tggcagcc                                     548
111 <210> SEQ ID NO: 4
112 <211> LENGTH: 346
113 <212> TYPE: DNA
114 <213> ORGANISM: Chlorella sorokiniana
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A2
119 <400> SEQUENCE: 4
121 cccacgcgtc tcgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaggga cggcagatct   60
123 aggggctgcc agcttacttg cgcgtgcctg ccacgcccta gctggcgtct tgagtgatct  120
125 aatttcagtt cacctggcgg tcatttaact gcctgggggc tggcaacacc ctggcgggac  180
127 agggggtagt gtccctgcac cacatgccct tgctgccggg tggcgtctta gcggagaggc  240
129 tcgcagcgaa cgggctggcc cccatttgcg caccctgcac ggggaatggc acgcgcgctg  300
131 gggcggcgca ccaagcacgg gggctgtggt ctgttcgcgc ggggtg          346
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 81
136 <212> TYPE: DNA
137 <213> ORGANISM: Chlorella sorokiniana
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A4
142 <400> SEQUENCE: 5
144 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   60
146 aaaaaaaaaa aaaaaaaaaa a          81
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 167
151 <212> TYPE: DNA
152 <213> ORGANISM: Chlorella sorokiniana
154 <220> FEATURE:
155 <221> NAME/KEY: unsure
156 <222> LOCATION: (1)..(167) OK
157 <223> OTHER INFORMATION: unsure at all n locations
158 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A6
160 <400> SEQUENCE: 6

```

## RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

```

162 aaaaaaaaaat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
164 aaaggggggga aagaaaaaaaa ggaaaaaagg aggaagaaag aaagaaggaa aaagaaaaag 120
W--> 166 aaaaaagaaa agaaaaaaaa aaaaaaaaaa aaaaggaagg ggggggaa 167
169 <210> SEQ ID NO: 7
170 <211> LENGTH: 465
171 <212> TYPE: DNA
172 <213> ORGANISM: Chlorella sorokiniana
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A7
177 <400> SEQUENCE: 7
179 ggctgcagcc gctgcaggct gagacgccgg aggagcggct ggatgaggct cgggaggcgg 60
181 gggagtcgcc ccagggtggtg ctgctgcaga agcacttgcc gcgggcgctg cacagcagcc 120
183 agctcacggg gccggcgag ctgctgtgtg gcattgcgga gcgtggcgcc catgtgcact 180
185 tcatgttcgt gtaccgagac cccttcagcg atggcggcta tgatgataat gtctcgtgt 240
187 catacaagct gccggtgcgt gaggacgcgg gggctctata tggcgatggc ctgtagtgcc 300
189 taggagctgc gaaccttact tgacacgggc accattcctc aagggtgcgt gaacgaggcg 360
191 tggccagctc ctgactgact tctcacaatg cactgcaca ttggggcgca tcaactcgac 420
193 aagcaaaggc aattttctgc attgaaagcg tgtaaccaga gccag 465
196 <210> SEQ ID NO: 8
197 <211> LENGTH: 257
198 <212> TYPE: DNA
199 <213> ORGANISM: Chlorella sorokiniana
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A8
204 <400> SEQUENCE: 8
206 ctgctctgcg cgggcgcgcc cccgcccgcg tccggtttt ccctgtaact tattcgtttg 60
208 tgcagcgcgc attcgtgcct gccccgctaa ctgccccgc gcctccct tgcttttcac 120
210 aacctgcca ccaatacatc gctctgcac ggtcgattga ttgctgtcct cagtagtcgc 180
212 ctccctgtcc cccgccttgc cgctgtcctg agaagaatgc atcctcgcgc acttgctgtg 240
214 taacccatcc aaccgtc 257
217 <210> SEQ ID NO: 9
218 <211> LENGTH: 591
219 <212> TYPE: DNA
220 <213> ORGANISM: Chlorella sorokiniana
222 <220> FEATURE:
223 <221> NAME/KEY: unsure
224 <222> LOCATION: (1)..(591) OK
225 <223> OTHER INFORMATION: unsure at all n locations
226 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-A9
228 <400> SEQUENCE: 9
W--> 230 cggacgcgtg gngaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
232 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
234 aaaaaaaaaa aaaaaaaaaa aagggggggc cgttttttaa attaaaaatt tatttcccct 180
236 tgtttggggg gtattaattt tttttttggg ggccaaaaat taaatttatt ggccgtgttt 240
238 ttaaaacttc gtaattggaa aaacctgggt ttacccaaat ttaattgggt tgaaaaaat 300
240 tcccttttta aaagtgggt tattgaaaa aaggccggaa ccattttttt tttcaaaaat 360
242 ttggccacct ttattgggaa tttgaacccc ctttttatgg gccatttaa cccgccgttt 420
244 tttttttttt tctcaatttt tacctttaat ttttgaaagc ctttagggcc ggggtctttt 480
246 aattttttcc tttttttttt cgccaagttt gccggttttc cccttaaaat tttaaattgg 540

```

## RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

```

248 gggatccttt taggggtccca atttaggggtt ttacggggacc ttaacccaaa a 591
251 <210> SEQ ID NO: 10
252 <211> LENGTH: 672
253 <212> TYPE: DNA
254 <213> ORGANISM: Chlorella sorokiniana
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B1
259 <400> SEQUENCE: 10
261 agcaagccca gcatccagaa cgacctgata acgctgcccc ccaacatggt ggatgcccac 60
263 cttatgaagc tgtccatctc ctttgccctg gccagtgcca ccaagctgtc ggtggtggag 120
265 gagcgtgcac tgaccatcgc ggcggccacg cgcaacctgc ccatgcagct ggcacaggag 180
267 ggcaagggtg ctgtgaagag ccgagccgtg gccaaagtca tgggcccgtt cttcatcgag 240
269 caggcggcgc ttaacctgct gggatccgtg ctggacacgc cagaattttt ctgggagcca 300
271 ggcgtgggag acaacatgca aagcgtgtac gacaagggtg ttgattacct ggagatgaac 360
273 gaccggatag agatcctcaa ctgcgcgctg cagggtgtgc acgagctgct ggacatgctg 420
275 cggtgcagg gccaggcgca gcacagcgac ttcttgagga tcatcatcat cctgctcatc 480
277 tgcgtggact gctaatctt gctcttcacg ctggcggcgc tgctgggctg ggtggggccc 540
279 ggcggtggca gcatacaca ccagctggcg ggcacgcgct ggggcgcctc gctggcagcc 600
281 ctgctgggag gcggtagctg agctttgcgg ggtgcaggga gcaccacatg cccctgcgcc 660
283 catctggcgt tc 672
286 <210> SEQ ID NO: 11
287 <211> LENGTH: 289
288 <212> TYPE: DNA
289 <213> ORGANISM: Chlorella sorokiniana
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B10
294 <400> SEQUENCE: 11
296 atttccatca ggcccgcac cgccaccaat gcccctgtg ccgcattgtt acccttctcc 60
298 ccctggatac gcaccagcgc cgccgcctgg tgcatcccca ctgtaccgc caccatocata 120
300 cccaagtgtc gtccctccac caccaccttt tgcgggtat gcaccaccta cacttttgcg 180
302 tgctgattct gctgcgcccc cgtgcctcc tgaaggctgg agtggtctc cgtgccacc 240
304 atagtcgccc acttggcagc cagcttggtt tgtagattgt tggacctgc 289
307 <210> SEQ ID NO: 12
308 <211> LENGTH: 309
309 <212> TYPE: DNA
310 <213> ORGANISM: Chlorella sorokiniana
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B12
315 <400> SEQUENCE: 12
317 gggggtgcct gcccgcccc gctgctgcgc tttgctagcg gagtgcgcgg aatggaccgc 60
319 ccgctcgtc ccgccttggt ttttccatt tggcagcccc gcgaccaatc agtaccgcct 120
321 ctgcctcgcc ctgcgccatt cacaactcga aaaatttcat tcgcgcgta ggctgccctt 180
323 tgcttcaca ctttttttcc actccctcct tgtgcctgc cagttctttc gaggacctct 240
325 gcaaagcctt tctcgtgca gcgcgcgcgc ctgcctcttg tttggtactc cttgttacta 300
327 ccgctcagc 309
330 <210> SEQ ID NO: 13
331 <211> LENGTH: 330
332 <212> TYPE: DNA
333 <213> ORGANISM: Chlorella sorokiniana

```

## RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:18

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

```

335 <220> FEATURE:
336 <221> NAME/KEY: unsure
337 <222> LOCATION: (1)..(330) OK
338 <223> OTHER INFORMATION: unsure at all n locations
339 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B2
341 <400> SEQUENCE: 13
343 cggacgcgtg ggcggacgcg tgggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
345 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
W--> 347 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggggggggn ngnnaaaaag gaaaaaaggn 180
W--> 349 aaggggggggg ggaaggaaaa naaaaaannn nnnaaaaggg aaaaaaaaaa aaannaagg 240
W--> 351 ggggggggggn aaaaaaggng ggaaagggaa aaaanngggg gaaanaaaaa aaaaaggngg 300
W--> 353 ggaaaaaaa nnnnnnnnga gaaggggggg 330
356 <210> SEQ ID NO: 14
357 <211> LENGTH: 602
358 <212> TYPE: DNA
359 <213> ORGANISM: Chlorella sorokiniana
361 <220> FEATURE:
362 <221> NAME/KEY: unsure
363 <222> LOCATION: (1)..(602) OK
364 <223> OTHER INFORMATION: unsure at all n locations
365 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B3
367 <400> SEQUENCE: 14
369 gagcgagagc gagtttgggg acggcgagaa gttcgccgcc ttccagaaca tgcgcggcgg 60
371 gcgggtgcag ctgatggcgc tgcccatgcc cgactccgac tactacaacg cagagaaggg 120
373 cgacgcgctc tatgcctttg agctggcgct ggctctgcag aagctgaaca tggacaagct 180
375 caaggcctgc cactcgctgg ccgacaagtc ggatgacttc caggcccagg atttcctgga 240
377 ggacgagatg agcgcccagg ccaagggtgt gaaggagctg ggagactatg tgtgcgagct 300
379 caagcgcggtg ggcaaggggc acagcgtctt ccactttgat gagaggattg accagggagg 360
381 cctgactgct gcggcggtgag ctgaccaggc agcaagttgc aaagggcgca gctgcagaaa 420
383 tggcctgcaa gccagcgggc gccagcaggg cggcaggcgt cggcgggcggc aggcgtcggc 480
W--> 385 gtggcatacg cactgatgcc cacctgccac acaccactag cttgcgttga atgatggntg 540
387 atgaaaatgg caacaaaaac agctgttcaa tgttccattc cttggaaagc agcgagcatt 600
389 tg 602
392 <210> SEQ ID NO: 15
393 <211> LENGTH: 391
394 <212> TYPE: DNA
395 <213> ORGANISM: Chlorella sorokiniana
397 <220> FEATURE:
398 <221> NAME/KEY: unsure
399 <222> LOCATION: (1)..(391) OK
400 <223> OTHER INFORMATION: unsure at all n locations
401 <223> OTHER INFORMATION: Clone ID: LIB3602-001-P1-K6-B5
403 <400> SEQUENCE: 15
W--> 405 cgaccactta ggcggcaacc cggggccccc gggggcgaaa cgacagccgg ncgcccggcg 60
W--> 407 cgggagagcc gaggccgagn accgcgcgcg ggccaacagc ggggcagagg ccgcggggcg 120
W--> 409 cccgcagcac ccggccaacc cccacagcac cancgccagg agcacgnggg ncgacggggg 180
W--> 411 gggcgncagc gccgncacc gcngcaccaa cccgnggcag caccagcgga ccaagcacgg 240
W--> 413 agagaccgac caacacggcg cccgcgacga nggcgcgggc ggcgcgngga ggggaccnca 300
W--> 415 cgcgcggacc accacggcag cacggcnaga caacgaggac caagggcccg acgagcccg 360

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/920,953

DATE: 09/10/2001

TIME: 09:07:19

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

L:558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26

L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27

L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28

L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28

L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33

L:997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37

L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37

L:1132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40

L:1197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:1223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43

L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52

L:1481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52

L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55

L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58

L:1635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58

L:1637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58

L:1661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59

L:1708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61

L:1730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62

L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62

L:1760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63

L:1786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64

## VERIFICATION SUMMARY

DATE: 09/10/2001

PATENT APPLICATION: US/09/920,953

TIME: 09:07:19

Input Set : D:\Pa\_00361.rpt

Output Set: N:\CRF3\09102001\I920953.raw

L:1802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65  
L:1804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65  
L:1847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67  
L:1849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67